

# **SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

## ***Compton Town Hall Meeting***

**August 2, 2017**



# Who is SCAQMD?

The South Coast Air Quality Management District (SCAQMD) is the air pollution control agency for all of Orange County and the urban portions of Los Angeles, Riverside and San Bernardino counties. This area of 10,743 square miles is home to over 16.8 million people.

Air pollution affects our health. Because this area's smog problem is so severe, SCAQMD is often at the forefront of efforts to control pollution.



# Key SCAQMD Activities

- Develop and adopt:
  - **Air Quality Management Plan**, the blueprint for achieving compliance with federal and state clean air standards
  - Air quality **rules and regulations** designed to reduce emissions from various sources
- Issue **permits** to many businesses and industries to ensure compliance with air quality rules
- Conduct periodic **inspections** to ensure compliance with air quality requirements
- Respond to **air quality complaints** from the public
- Conduct ambient air quality **monitoring** including special studies

# How to File an Air Quality Complaint

- 1-800-CUT SMOG (1-800-288-7664)
- [www.aqmd.gov](http://www.aqmd.gov)
- Instructional video available at:  
<http://www.aqmd.gov/contact/complaintsideo>

# SCAQMD in Compton

- As part of our Community Air Toxics Initiative, SCAQMD identified Compton facilities for monitoring
- Before conducting monitoring, SCAQMD held a Town Hall Meeting on June 1, 2017 and committed to return to the community with monitoring results
- The following presentation will focus on:
  - Health Effects of Hexavalent Chrome
  - Monitoring Results
  - Actions taken
  - Next steps



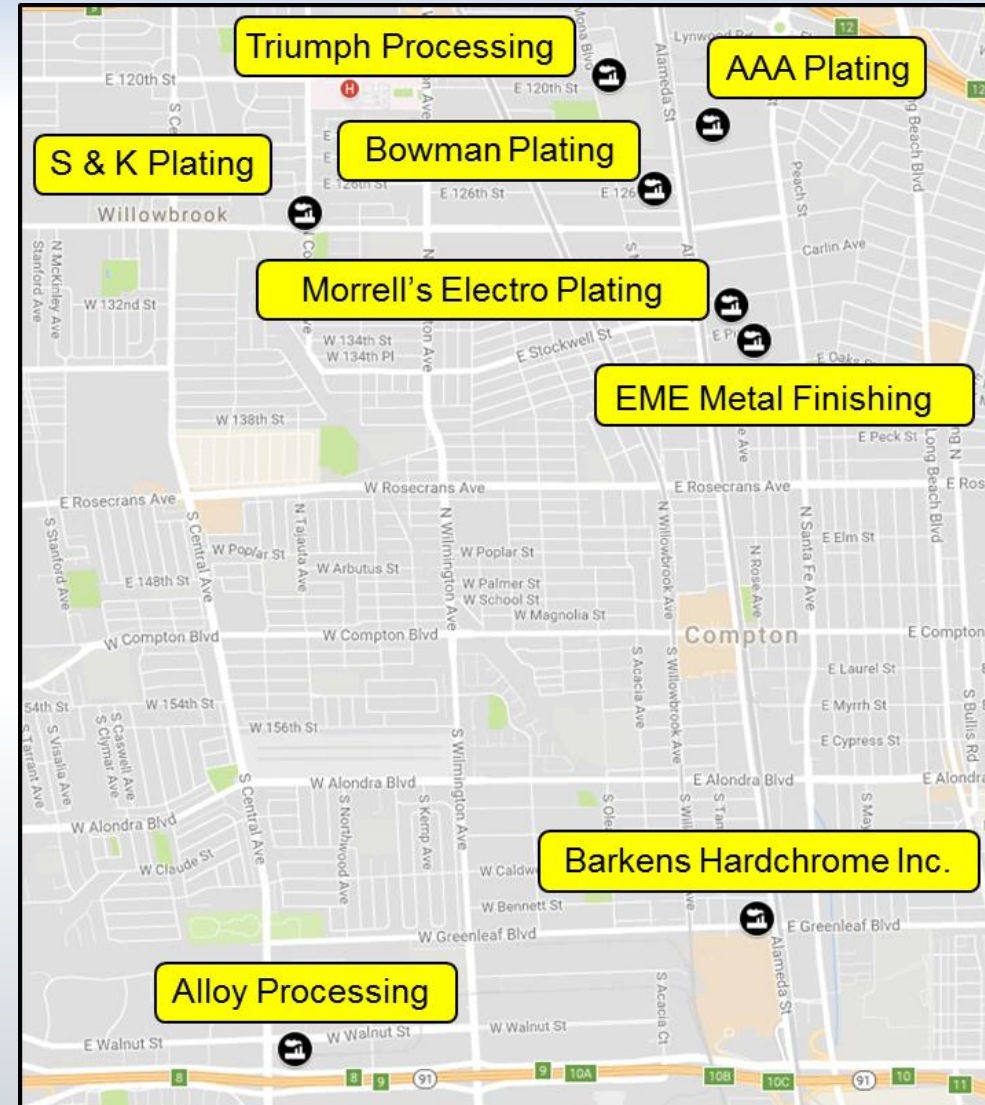
# Hexavalent Chrome

## Health Effects

- Known to cause cancer in humans
- Breathing Hexavalent Chrome for years to decades can increase risk of lung and nose cancers
- Typical levels in residential and commercial areas in Southern California are about 0.1 nanograms per cubic meter (ng/m<sup>3</sup>), averaged over 1 year

# Airborne Hexavalent Chrome Monitoring

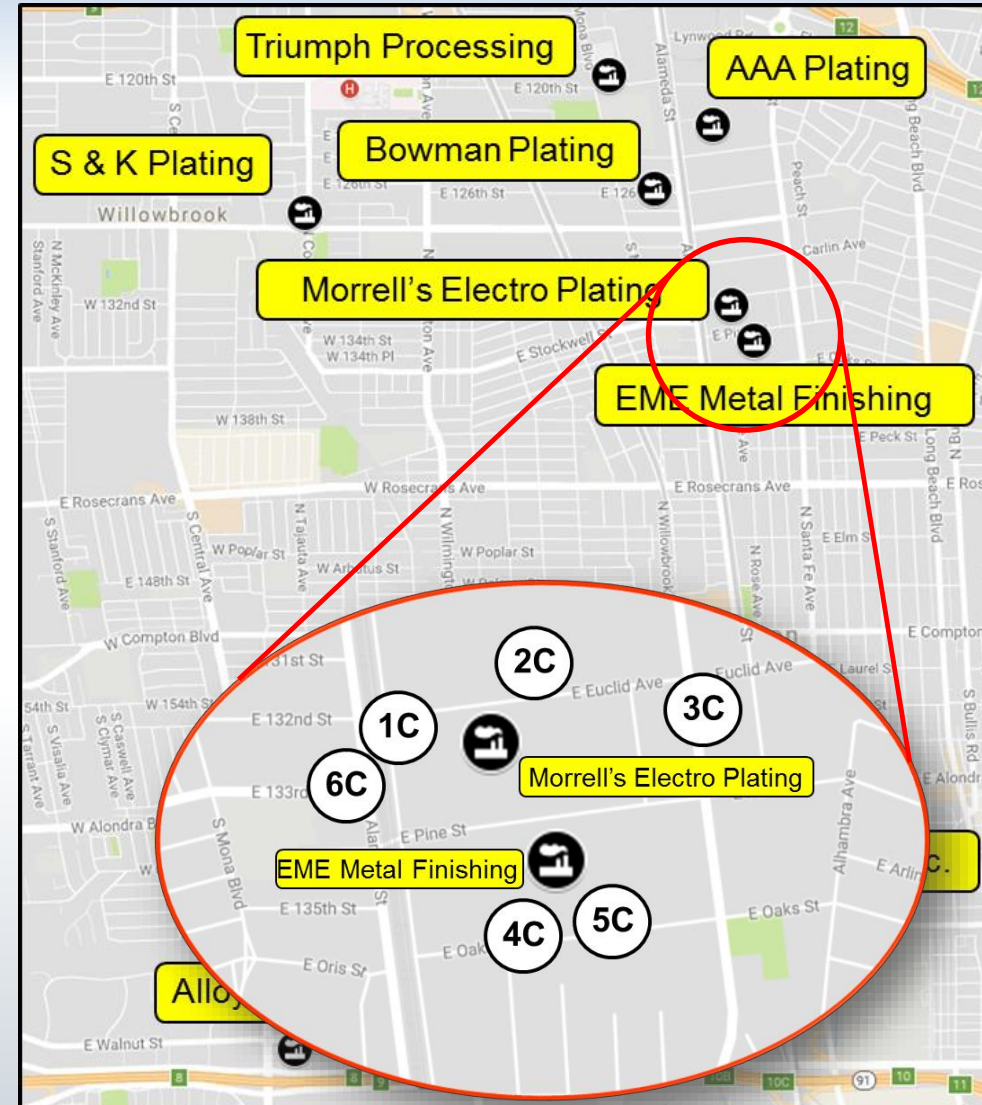
- As part of the Community Air Toxics Initiative, SCAQMD began monitoring the area to measure levels of hexavalent chrome near several metal-processing facilities
- Air monitoring efforts focus on chrome plating and anodizing plants
- The first two facilities for the evaluation were chosen by a combination of criteria





# Airborne Hexavalent Chrome Monitoring

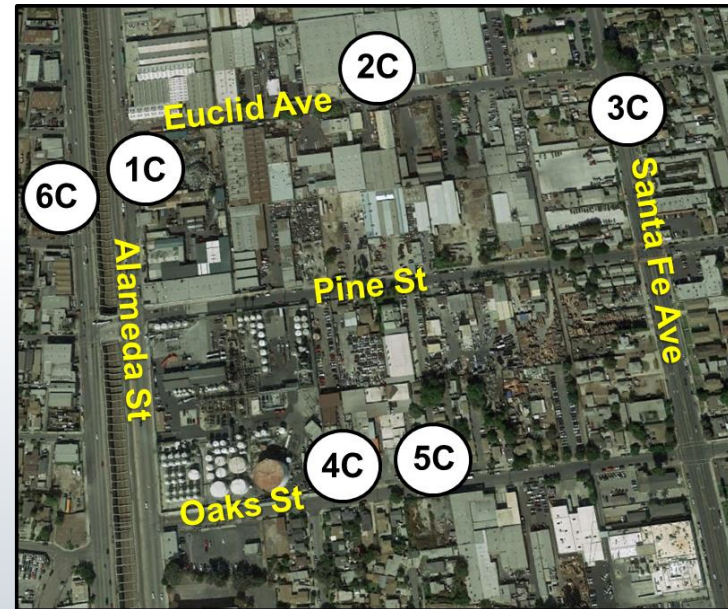
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# Airborne Hexavalent Chrome Monitoring

- 24-hour samples, collected once every three days, mounted on light poles
- Air samples are collected with portable samplers and analyzed at SCAQMD's laboratory
- Since June 2017, over 90 ambient samples collected from 6 sites in the community
- Results are posted on SCAQMD's website:  
<http://www.aqmd.gov/home/library/clean-air-plans/air-toxics-action-plan/community-air-toxics-initiative---compton>





Typical Wind  
Direction

1C

6C

2C

3C

4C

5C

Euclid Ave

Alameda St

Santa Fe Ave

Pine St

Oaks St

Morrell's Electro  
Plating

Compton Steel

L&J Metal  
Polishing

Lu-Mar Metal  
Recycling

EME Metal  
Finishing

- Over 10 ng/m<sup>3</sup>
- Between 5 to 10 ng/m<sup>3</sup>
- Between 1 and 5 ng/m<sup>3</sup>
- Less than 1 ng/m<sup>3</sup>

Highest individual (24-hour)  
hexavalent chrome (ng/m<sup>3</sup>) at  
each site



Typical Wind  
Direction

1C

7.2

2C

16.0

3C

12.7

6C

2.9

Lu-Mar Metal  
Recycling

Morrell's Electro  
Plating

Compton Steel

L&J Metal  
Polishing

Pine St

Santa Fe Ave

EME Metal  
Finishing

1.3

5C

1.4

4C

Oaks St

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# Next Steps – On-going Monitoring and Data Analysis

- Website will be continually updated with latest results
  - <http://www.aqmd.gov/home/library/clean-air-plans/air-toxics-action-plan/community-air-toxics-initiative---compton>
- Address the challenges of:
  - Multiple metal working facilities in a small area
  - Other potential sources that may produce hexavalent chrome (i.e. cement, road construction, etc.)
  - Resource limitations
- Review measurement data and information from on-site inspections to look at other potential sampling locations

# Compliance & Enforcement Activities

## Initial inspections conducted at:

- EME Inc./Electro Machine and Engineering
- Morrell's Electro Plating Inc.
- Triumph Processing Inc.
- AAA Plating & Inspection Inc.
- Bowman Plating Co. Inc.
- S & K Plating Inc.


# Inspection Overview

- **Multi-Agency Inspections (7/20/17 – 7/27/17)**
  - South Coast Air Quality Management District (SCAQMD)
  - California Air Resources Board (CARB)
  - Department of Toxic Substances Control (DTSC)
  - LA County Hazardous Materials (CUPA)
  - LA County Public Health
  - Compton Code Enforcement
  - Compton Fire Department



# Map of Door to Door Inspections



 Multi-Agency Inspection (July 27, 2017)

 SCAQMD follow-up Inspection (July 28, 2017)



# Compliance Summary

- Performed 99 door to door inspections
- Issued 5 Notices of Violation
- Issued 16 Notices to Comply
- Collected suspected hexavalent chrome material from 2 facilities for lab analysis
- Sought, obtained, and executed an Inspection Warrant

# Order for Abatement Process

- Pursue Orders for Abatement when necessary
- Evidence Gathering:
  - Facility inspections
  - Monitoring of emissions near facilities
  - Source tests of equipment and processes

# Order for Abatement Process

- Facilities contributing to elevated hexavalent chrome at the monitors are subject to Orders for Abatement
- The Hearing Board will determine whether a facility's operations should be curtailed or their operations modified to protect public health
- The conditions are designed to reduce the elevated hexavalent chrome emissions

# How can you participate in Order for Abatement process?

- Instructional video on how to testify before the Hearing Board can be found at: <https://www.youtube.com/watch?v=LQ6tL8t2TUM>
- The Public will have the opportunity to testify regarding their experience of living near a facility subject to the OA process
- Public testimony is encouraged and may include comments on the proposed OA conditions and suggestions or changes
- The Public may be asked questions as part of their testimony by the Hearing Board, the District, or by facility representatives

# Questions